

# Using MGCP with a Cisco VG200 or Cisco 2600/3600 Series Router and CallManager 3.0

---

## Introduction

This document is a working example of using MGCP between a Cisco VG200 router and a Cisco CallManager 3.0 Media Convergence Server (MCS). It will cover configuring one FXO connection to the PSTN, as well as FXS connections to analog hand sets. VoIP connectivity to Cisco 7960 IP Phones will also be shown. When this configuration is completed it will be possible to make calls between all of the phones used in this configuration. In addition it will be possible to route calls over the PSTN from any of the phones used in this configuration.

This document assumes that the reader is already familiar with configuring Cisco IP Phones in CallManager. It also assumes that there is at least one IP Phone already active on the CallManager server.

## Hardware and Software Versions

This configuration was developed and tested using the software, hardware and other equipment below.

- 1 \* Cisco VG200 / 2 X FXS / 2 X FXO / 1 FastEthernet 10/100 port. Cisco IOS Software Release 12.1(5)T.
- 1 \* Cisco CallManager 3.0(5a) running on a MCS7835
- 2 \* Analog handsets
- 2 \* Cisco 7960 IP Phones

**Note:** Cisco 2600 and 3600 routers support MGCP if they are running Cisco IOS® Software Release 12.1(3)T or newer. The release and version that you require will be based on the features that you need to enable. The CallManager server must be running version 3.0(5)a or newer. The router configuration is the same for all types of routers. The CallManager configuration is also the same for all types of routers.

**Note:** The VG200 is supported by Cisco IOS Software Release 12.1(5)XM1 and newer releases. The release and version that you require will be based on the features that you need to enable. Although the VG200 is supported in earlier releases of CallManager, version 3.0(5)a or newer is recommended.

**Note:** The **ccm-manager** command requires Cisco IOS Software 12.1(5)XM or newer on all routers (2600, 3600) and the VG200.

# This document is part one of a six document set:

1. Introduction
2. [Configuring the VG200 MGCP Gateway](#)
3. [Configuring the CallManager Server](#)
4. [Verifying and Troubleshooting the VG200 MGCP Gateway](#)
5. [Sample of Debug MGCP Packets](#)
6. [Verifying and Troubleshooting the Call Manager Configuration](#)

This document can be used as a guide to configure the devices for use in a real network or as a workbook example to use in a lab environment for learning or testing purposes. Sections 4 and 5 are provided for additional information. If the tasks in sections 2 and 3 result in a working configuration it is not necessary to refer to sections 4, 5 or 6.

**Note:** It is not necessary to do sections 1 and 2 in the order presented.

---

## Related Information

- [Voice, Telephony and Messaging Technical Tips](#)
  - [Voice, Telephony and Messaging Technologies](#)
  - [Voice, Telephony and Messaging Products](#)
  - [Cisco Solutions: Voice, Telephony and Messaging](#)
- 

<a href="#">Home</a>	<a href="#">What's New</a>	<a href="#">How to Buy</a>	<a href="#">Login</a>	<a href="#">Profile</a>	<a href="#">Feedback</a>	<a href="#">Search</a>	<a href="#">Map/Help</a>
----------------------	----------------------------	----------------------------	-----------------------	-------------------------	--------------------------	------------------------	--------------------------

All contents are Copyright © 1992--2001 Cisco Systems Inc. All rights reserved. [Important Notices](#) and [Privacy Statement](#).